

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
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ABSTRACT

A composition and a method for decontaminating small diameter water lines for medical equipment which effectively dislodges and eliminates a biofilm and at the same time destroy the microorganism flora in the fresh water and in the dislodged biofilm. In addition the composition or method does not corrode water line materials, it is safe and non-toxic, it does not expose patients to the decontaminating chemicals or process, it does not leave significant residual chemicals in the water line, it does not require the use of sterile solutions and aseptic technique by dental personnel, and it does not require mixing or dilution of chemicals prior to use.